

1. Descriptions of new South-American Coleoptera of the Genus *Diabrotica*. By JOSEPH S. BALY, F.L.S.

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Section I.—Fourth joint of antennæ equal in length to the preceding two united.

1. *DIABROTICA CONTIGUA*, sp. nov.

Elongata, postice ampliata, convexa, flava, nitida; pectore, scutello capiteque nigris, antennis basi et apice flavis; thorace leviter trifoveolato, interdum piceo tincto; elytris sat crebre punctatis, sulcis longitudinalibus nonnullis leviter impressis, costa subhumerali fere ad apicem extensa, utrisque linea suturali, ante apicem abbreviata, apice paullo ampliata, vitta humerali a basi fere ad apicem extensa, maculaque discoidali pone medium nigris.

Long. 3 lin.

Hab. Brazil.

2. *DIABROTICA MELANOPYGA*, sp. nov.

Elongata, postice paullo ampliata, convexa, flava, nitida; pectore, abdominis apice, tibiis et tarsis posticis necnon capite nigris, antennis basi et ante apicem flavis; thorace bifoveolato, scutello, tibiis tarsisque quatuor anticis piceis; elytris subcrebre punctatis, utrisque linea suturali, postice attenuata et ante apicem obsoleta, macula parva apicali vittaque humerali fere ad apicem extensa, nigris.

Long. $2\frac{2}{3}$ lin.

Hab. Brazil.

3. *DIABROTICA EXTENSA*, sp. nov.

Subelongata, postice ampliata, convexa, flava, nitida; pectore, oculis, labro antennisque (his apice exceptis) nigris; thorace leviter excavato, utrinque obsolete foveolato; elytris subrugulosis, sat crebre punctatis, obsolete longitudinaliter sulcatis, costa subhumerali fere ad apicem extensa, utrisque linea suturali, postice abbreviata, vittaque sublaterali super costam humeralem posita, nigris.

Long. $2\frac{3}{4}$ lin.

Hab. Brazil.

4. *DIABROTICA NITIDICOLLIS*, sp. nov.

Subelongato-ovata, postice paullo ampliata, convexa, flava, nitida; pectore, scutello capiteque nigris, antennis apice flavis; thorace convexo, lævi, fulvo-rufo; elytris leviter sat crebre punctatis, subrugulosis, costa subhumerali longe pone medium extensa, utrisque linea suturali fere ad apicem producta, linea humerali ante apicem abbreviata, maculaque parva discoidali pone medium posita, nigris.

Var. *Elytrorum macula discoidali obsoleta.*

Long. 3 lin.

Hab. Brazil.

5. *DIABROTICA CLARKELLA*, sp. nov.

Subelongata, postice paullo ampliata, convexa, flava, nitida; pectore antennisque nigris, his basi et apice fulvis; thorace excavato, utrinque foveolato; elytris crebre punctatis, obsolete rugulosis, costa subhumerali modice elevata, sulco longitudinali intus marginata, utrisque basi vittis duabus brevibus (una suturali, altera humerali) maculisque duabus pone medium, oblique transversim positis, nigris.

Long. $3\frac{1}{2}$ –4 lin.

Hab. Brazil.

6. *DIABROTICA SCUTELLATA*, sp. nov.

Subelongato-ovata, postice ampliata, convexa, flava, nitida; oculis scutelloque nigris, pectore, ore antennisque piceis; thorace leviter bifoveolato; elytris sat crebre punctatis, costa humerali longe ultra medium extensa, utrisque vitta submarginali super costam posita, picea, sutura piceo tincta.

Long. 3 lin.

Hab. Brazil.

7. *DIABROTICA PICEICORNIS*, sp. nov.

Anguste ovata, postice paullo ampliata, convexa, flava, nitida, plus minusve viridi tincta; antennis pallide piceis, oculis nigris; thorace bifoveolato elytrisque pallide prasinis, his tenuiter subcrebre punctatis, disco exteriori obsolete longitudinaliter sulcatis, tarsis piceis.

Long. 3 lin.

Hab. Brazil.

8. *DIABROTICA VIRIDANS*, sp. nov.

Subelongata, postice paullo ampliata, convexa, prasina, nitida; antennis, pectore abdomineque pallide piceis, pedibus flavo-viridibus, thorace convexo, fere impunctato; elytris sat crebre punctatis, disco exteriori sulcis nonnullis longitudinalibus leviter impressis.

Long. $2\frac{1}{2}$ lin.

Hab. Brazil.

9. *DIABROTICA GLAUCINA*, sp. nov.

Anguste ovata, postice ampliata, convexa, sordide fulva, nitida; labro et antennis piceis aut nigro-piceis, his basi fulvis, ante apicem flavo-albidis, articulo apicali nigro; thorace convexo; elytris tenuiter subcrebre punctatis, disco exteriori ante medium plicatis, longitudinaliter sulcatis, utrisque pustulis magnis quatuor, longitudinaliter positis, fulvis, duabus anticis plerumque confluentibus.

Long. 5 lin.

Hab. Cayenne.

10. *DIABROTICA ATROMACULATA*, sp. nov.

Anguste oblongo-ovata, convexa, flava, nitida; pectore, scutello capiteque nigris; antennis flavis, articulis intermediis piceis; thorace lævi; elytris crebre punctatis, utrisque macula basali communi, plaga magna humerali, trigonata, intus profunde emarginata, fasciaque pone medium, utrinque abbreviata, postice emarginata, nigris.

Long. $2\frac{2}{3}$ lin.

Hab. Amazons.

11. *DIABROTICA 12-SIGNATA*, sp. nov.

Anguste ovata, postice paullo ampliata, convexa, sordide fulva, subnitida; pectore capiteque nigris, antennis basi et apice labroque fulvis; thorace nitido scutelloque rufo-testaceis; elytris crebre punctatis, utrisque vittulis sex, 2. 2. 2 dispositis, nigris.

Long. $2\frac{3}{4}$ lin.

Hab. Brazil.

12. *DIABROTICA VAGRANS*, sp. nov.

Anguste ovata, postice ampliata, convexa, nigra, nitida, abdomine thoraceque flavis; thorace convexo, lævi; elytris crebre punctatis, flavis, sutura basi necnon vittis vel vittulis irregularibus nigris.

Long. $2\frac{1}{2}$ lin.

Hab. Bolivia.

13. *DIABROTICA ÆGROTA*, sp. nov.

Oblongo-ovata, postice ampliata, convexa; subtus flava, nitida, pectore, ano, tibiis tarsisque nigris; supra subnitida, pallide viridi-flava, scutello capiteque nigris, antennis basi piceis, ante apicem flavo-albidis; thorace transversim convexo, lævi; elytris crebre punctatis, subrugulosis.

Long. 4 lin.

Hab. Ecuador.

14. *DIABROTICA EVANESCENS*, sp. nov.

Anguste ovata, postice paullo ampliata, convexa, pallide viridi-flava, abdomine flavo; pectore, tibiis, tarsis, scutello capiteque nigris, antennis basi piceis; thorace bifoveolato; elytris subnitidis, crebre punctatis, sordide flavis, fascia lata prope medium prasina, sutura basi nigra.

Long. 3 lin.

Hab. Ecuador.

15. *DIABROTICA CONFRATERNA*, sp. nov.

Oblongo-elongata, postice paullo ampliata, convexa, flava, nitida; pectore capiteque nigris, antennis basi piceis, apice sordide fulvis; thorace rufo-fulvo, obsolete trifoveolato; elytris sat crebre punctatis, costa subhumerali vix elevata, utrisque vitta brevi communi ad basin, una humerali a basi ad longe pone medium extensa, maculaque parva inter medium et apicem, nigris.

Long. $2\frac{1}{2}$ –3 lin.

Hab. Para.

16. *DIABROTICA LIMITATA*, sp. nov.

Ovata, postice ampliata, convexa, flava, nitida; pectore, tibiis, tarsis capiteque nigris; antennis basi piceis, apice albidis; thorace flavo-rufo, disco late excavato, leviter trifoveolato, fovea intermedia minus distincta, interdum obsoleta; scutello piceo; elytris sat crebre punctatis, pallide flavis, utrisque linea suturali et vitta submarginali, apicem versus abbreviatis, necnon lineis duabus transversis, una vix ante medium, secunda inter medium et apicem, plerumque cum vitta submarginali connexis, nigris.

Long. 4 lin.

Hab. Eastern Ecuador.

Section II.—Third joint of antennæ equal in length or nearly so to the fourth.

17. *DIABROTICA TUBERCVLATA*, sp. nov.

Sat late ovata, postice paullo ampliata, convexa, subtus cum scutello capiteque nigris, antennis apice sordide fulvis; thorace elytrisque flavis, illo arcuatim excavato, et utrinque puncto nigro parvo notato, his tenuiter punctatis, utrisque plagis magnis duabus, una ad basin, altera pone medium nigris.

Mas. Elytris ante apicem juxta suturam tuberculo conico valido instructis.

Long. 3 lin.

Hab. Eastern Ecuador.

18. *DIABROTICA HEMIXANTHA*, sp. nov.

Ovata, postice ampliata, convexa, nigra, nitida; femoribus basi, thorace elytrorumque dimidio antico flavis; thorace leviter transversim sulcato; elytris distincte punctatis, punctis apicem versus fere obsoletis.

Var. Pedibus totis nigris.

Long. 3 lin.

Hab. Upper Amazons.

19. *DIABROTICA INTERRUPTO-LINEATA*, sp. nov.

Ovata, postice ampliata, convexa, fulvo-flava, nitida; pectore, scutello, capitis vertice, ore antennisque nigris, his apice albidis; thorace lævi; elytris crebre punctatis, flavis, utrisque linea discoidali, infra basin late interrupta et longe ante apicem abbreviata, alteraque sublaterali, a basi fere ad apicem extensa, nigris.

Long. $3\frac{1}{2}$ lin.

Hab. Brazil.

20. *DIABROTICA NOTATICOLLIS*, sp. nov.

Anguste ovata, postice ampliata, convexa, flava, nitida; pectore, femoribus, dorso, tibiis posticis, tarsis, antennis (basibus exceptis),

verticis macula, thoracis maculis quatuor, arcuatim dispositis scutelloque nigris; thorace trifoveolato; elytris sat crebre punctatis, utrisque macula oblonga fusca infra basin juxta suturam, plagisque tribus, prima subrotundata callum humeralem amplectente duabusque transverso-oblongis, una prope, altera inter medium et apicem positis, nigris.

Long. 2 lin.

Hab. Brazil.

21. *DIABROTICA MELANCHOLICA*, sp. nov.

Anguste ovata, postice ampliata, convexa, nigra, nitida, femorum basi antennarumque articulo apicali albidis; thorace transverso, pone medium bifoveolato, nigro-piceo; elytris subrugulosis, sat crebre punctatis, punctis apicem versus fere obsoletis, utrisque limbo externo apice paullo ampliato, punctoque juxta suturam prope medium, albidis.

Mas. *Antennarum articulis duobus apicalibus compresso-dilatatis.*

Long. 2 lin.

Hab. Ecuador.

22. *DIABROTICA ZONULA*, sp. nov.

Sat late ovata, postice ampliata, modice convexa, nigra, nitida, antennis extrorsum albidis; thorace flavo-fulvo, obsolete bifoveolato; elytris minus crebre punctatis, limbo externo, apice paullo ampliato fasciæque prope medium flavo-fulvis.

Long. 3 lin.

Hab. Ecuador.

23. *DIABROTICA UNIFASCIATA*, sp. nov.

Late ovata, postice ampliata, modice convexa, dorso subdeplanata, nigra, nitida; thorace albido, obsolete bifoveolato; elytris tenuiter remote punctatis, limbo externo, apice ampliato fasciæque prope medium albidis.

Long. 3 lin.

Hab. Peru.

Distinguished from the preceding species by the unicolorous antennæ and the nearly impunctate elytra.

24. *DIABROTICA SPILOPTERA*, sp. nov.

Anguste ovata, postice ampliata, convexa, nigra, nitida; femoribus, abdomine (hoc piceo tincto) elytrisque flavis, his minus crebre punctatis, utrisque plagis tribus, prima infra callum humeralem trigonata, secunda prope medium transversa, tertiæque pone medium subrotundata, nigris.

Long. 2 lin.

Hab. Brazil.

25. *DIABROTICA ALBOMARGINATA*, sp. nov.

Late oblongo-ovata, postice ampliata, modice convexa, dorso

subdepressa, nigra, nitida; antennis, basibus exceptis, flavo-fulvis; thorace arcuatim impresso, sulco utrinque magis fortiter impresso; elytris tenuiter punctatis, margine laterali late albido.

Long. $2\frac{1}{2}$ lin.

Hab. Ecuador.

26. *DIABROTICA ALBOCINCTA*, sp. nov.

Anguste ovata, postice ampliata, convexa, nigra, nitida, thoracis lateribus latis, elytrorum limbo externo apice dilatato, fasciaque angusta vix pone medium albidis; thorace bifoveolato.

Long. $2\frac{1}{2}$ lin.

Hab. Peru.

27. *DIABROTICA ALBOPICTA*, sp. nov.

Anguste ovata, postice ampliata, convexa, flavo-fulva, nitida; tibiis, tarsis, pectore, scutello capiteque nigris; antennis basi piceo-fulvis, articulis penultimis duobus albidis; thorace leviter trifoveolato; elytris subrugulosis, rude punctatis, nigris, utrisque macula infra basin, altera ante apicem fasciaque prope medium, utrinque abbreviata, albidis.

Long. $2\frac{1}{2}$ lin.

Hab. Peru.

28. *DIABROTICA LIMBATIPENNIS*, sp. nov.

Subelongata, postice vix ampliata, convexa, nigra, nitida, femoribus basi elytrorumque limbo externo flavo-albidis; thorace quam longus fere duplo latiore, vix pone medium bifoveolato; elytris sat crebre punctatis, punctis apicem versus minus fortiter impressis.

Long. 2 lin.

Hab. Brazil.

29. *DIABROTICA COGNATA*, sp. nov.

Late ovata, postice sat valde ampliata, convexa, dorso subdepressa, fulva, nitida; pectore, scutello capiteque nigris; thorace bifoveolato, fortiter punctato; elytris subseriato-punctatis, utrisque tricostrutis, nigris, limbo externo fulvo; pedibus anticis quatuor piceo tinctis.

Long. 4 lin.

Hab. Ecuador.

30. *DIABROTICA SIMULANS*, sp. nov.

Late ovata, postice vix ampliata, modice convexa, dorso subdepressa, nigra, nitida, thorace capiteque fulvis, antennis nigris, extrorsum albidis; thorace transverso, sat profunde bifoveolato, foveis inter se connexis; elytris tenuiter subcrebre punctatis, infra basin non excavatis, limbo externo late fulvo.

Long. $2\frac{1}{2}$ lin.

Hab. Amazons.

31. *DIABROTICA PERSPICUA*, sp. nov.

Oblongo-ovata, postice paullo ampliata, convexa, flavo-fulva, nitida; antennis basi piceis, apice fulvis; thorace late transversim impresso, sulco utrinque magis fortiter excavato; elytris crebre punctatis, nigris, limbo externo fasciaque prope medium flavo-fulvis.

Var. A. *Elytrorum fascia obsoleta.*

Long. $2\frac{1}{2}$ lin.

Hab. Amazons.

32. *DIABROTICA ALCYONE*, sp. nov.

Late ovata, modice convexa, fulva, nitida; pedibus (femoribus apice exceptis) antennisque piceo-nigris, his extrorsum piceis; thorace bifoveolato; elytris tenuiter sed distincte punctatis, nigris, limbo externo fasciaque prope medium fulvis.

Var. *Elytrorum fascia obsoleta.*

Long. $3\frac{1}{2}$ lin.

Hab. Amazons.

33. *DIABROTICA STALI*, sp. nov.

Late ovata, modice convexa, fulvo-flava, nitida; antennis nigris, apice albidis; tibiis tarsisque piceo tinctis; thorace obsolete bifoveolato; elytris tenuiter punctatis, utrisque infra medium transversim impressis, nigris, apicibus flavis.

Long. $3\frac{1}{2}$ lin.

Hab. Amazons.

34. *DIABROTICA SUAVEOLA*, sp. nov.

Anguste ovata, postice paullo ampliata, convexa, fulva, nitida; tibiis, tarsis, pectore capiteque nigris; antennis piceo-nigris, basi fulvo-piceis, ante apicem albidis; thorace arcuatim sulcato, sulco utrinque fovea magna male definita impresso; elytris metallico-viridibus, limbo externo, apice late ampliato, fascia prope medium suturæque dimidio postico flavis.

Long. $2\frac{3}{4}$ lin.

Hab. Cayenne.

35. *DIABROTICA DISCREPANS*, sp. nov.

Oblongo-ovata, postice paullo ampliata, convexa, nigra, nitida, thorace capiteque sordide rufis; pedibus antennisque flavis, his apice piceis; thorace minute sed distincte punctato, sulco semilunato, medio ramulum fere ad basin emittente, impresso; clytris subcrebre punctatis, utrisque limbo externo ante medium, margine apicali, fasciaque prope medium flavis.

Fœm. *Clypeo quam longus latiore, medio sat fortiter elevato-vittato.*

Long. $2\frac{3}{4}$ lin.

Hab. Ecuador.

36. DIABROTICA ÆNEIVENTRIS, sp. nov.

Anguste ovata, postice ampliata, convexa, nigro-ænea, nitida; tibiis, tarsis, scutello capiteque nigris; antennis basi piceofulvis, articulis externis quatuor, ultimi (apice excepto) pallide flavis; thorace trifoveolato femoribusque flavis, his nigro lineatis; elytris tenuiter, sat crebre punctatis, viridi-æneis, utrisque limbo externo, maculis duabus infra basin positis, fascia curvata vix pone medium, utrinque abbreviata, maculaque subapicali ad limbum adfixa, flavis.

Long. 5 lin.

Hab. Ecuador.

37. DIABROTICA BIPARTITA, sp. nov.

Oblonga, postice ampliata, convexa, flava, nitida; capite thoraceque nigris, hoc transversim sulcato, basi anguste piceo; antennis flavis, articulis primo et intermediis nigris; elytris postice paullo ampliatis, convexis, infra basin excavatis, sat crebre punctatis, disco antico, limbo externo excepto, fasciisque angusta vix pone medium viridi-æneis, spatio inter hanc fasciam et discum anticum elevato.

Mas. *Elytris ante apicem juxta suturam vitta brevi elevata instructis.*

Long. 4 lin.

Hab. Ecuador.

38. DIABROTICA ERYTHROPTERA, sp. nov.

Ovata, postice ampliata, convexa, nigra, nitida, elytris rubris; thorace arcuatim sulcato, sulco trifoveolato; elytris crebre punctatis.

Long. $3\frac{1}{2}$ lin.

Hab. Peru.

39. DIABROTICA ALBIDO-VITTATA, sp. nov.

Ovata, postice paullo ampliata, convexa, nigro-picea, nitida, femoribus basi flavis, capite thoraceque piceo-rufis; antennis nigris, articulis octavo nonoque albidis, thorace profunde bifoveolato; elytris piceo-nigris, subnitidis, elevato-vittatis, costa tertia a sutura latiore, utrisque limbo externo costaque tertia albidis, apicibus confluentibus.

Long. 3 lin.

Hab. Brazil.

These descriptions are all based upon specimens in my own collection.